

Local Control Unit (LCU), Wired



AL-4146-2L



AL-4146-2L-12A

1 APPLICATIONS

- General Purpose Positioning Subsystems

2 PRODUCT HIGHLIGHTS

- Sequential Axis Control
- Compatible with AL-48062, AL-48063, AL-4160 Series, AL-4100 Series

The AL-4146-2L series LCUs are portable, hand-held units that are connected to a PCU/positioner controller via an interconnect cable. These LCUs utilize the PCU/positioner controller's basic control, limit and supply circuits. They incorporate a rotary switch for axis selection, limit indicators, and a potentiometer for speed and direction control.

- When the LCU is connected and operating in LOCAL mode, the PCU/positioner controller front panel operation is disabled.
- When the LCU is placed in REMOTE mode, PCU/positioner controller obtains priority control.

Note: LCU cable purchased separately. Custom lengths available.

Series Overview

Model	AL-4146-2L	AL-4146-2L-12A
Number of Axes	Up to 6	Up to 12

FRONT PANEL

➤ All Models:

- Local/Remote (LCU/Controller)
- Axis Select
- Coarse/Fine Speed
- Speed/Direction Control
- Limit Indicators
- Momentary Run Switch (Deadman)

➤ AL-4146-2L-12A Model:

- Selected Controller Indicators
- Emergency Stop (E-Stop)

TECHNICAL NOTES

- This product is rated for indoor use and limited outdoor use. Outdoor storage requires a protective enclosure.
- AL-4146-2L-12A requires a junction box for multiple controller applications (consult your local factory sales representative for more information).

SUPPLIED ACCESSORIES

➤ CD-ROM Documentation Set:

- User Manual (Installation, Setup, Operation)

OPTIONS

- ☐ Opt. 101 - Additional Manual Set

- ☐ Optional ■ Standard ● Required

ORDERING INFORMATION

- AL-4146-2L Local Control Unit (LCU), 6 Axis
- AL-4146-2L-12A Local Control Unit (LCU), 12 Axis

Specifications - AL-4146-2L Series Local Control Units (LCU), Wired

Model	AL-4146-2L	AL-4146-2L-12A
Operational		
Front Panel Controls & Indicators	<ul style="list-style-type: none">• Local/Remote (LCU/Controller)• Axis Select• Coarse/Fine Speed• Speed/Direction Control• Limit Indicators• Momentary Run Switch (Deadman)	<ul style="list-style-type: none">• Local/Remote (LCU/Controller)• Axis Select• Coarse/Fine Speed• Speed/Direction Control• Limit Indicators• Momentary Run Switch (Deadman)• Selected Controller Indicators• Emergency Stop (Latching Panic Button)
Electrical		
Controlled Axes	6 Sequential control	12 Sequential control
Compatible Power Control Units (PCU)	<ul style="list-style-type: none">• AL-4100 Series• AL-48062• AL-48063	
Physical		
Dimensions	<ul style="list-style-type: none">• 3.1 in (7.8 cm) Width• 6.8 in (17.3 cm) Length• 2.3 in (5.7 cm) Depth	
Weight	2 lbs (0.9 kg)	
Environmental		
Operating Temperature	32° to 122° F (0° to 50° C)	
Storage Temperature	- 4° to 167° F (- 20° to 75° C)	
Relative Humidity	90%	